INVITATION TO BID		BID DUE DATE AND TIME
BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL & MECHANICAL COLLEGE	LSU	**11/10/2016 11:00 AM CT**

SOLICITATION RFQ-0000000086

SUPPLIER #

SUPPLIER NAME AND ADDRESS

RETURN BID TO

Louisiana State University and Agricultural and Mechanical College
Procurement
213 Thomas Boyd Hall
Baton Rouge, LA 70803

Buyer Holly Bofinger Leonards
Buyer Phone +1 (225) 578-6482 x6482
Buyer Email hollyl@lsu.edu
Issue Date 10/20/2016

TITLE: Open Jet/Wind Tunnel Equipment

Addendum 02– Vendor Inquiry. See attached for inquiry and response. Notice is given to all parties that this Solicitation is amended by the University as stated herein. This Addendum is hereby made an official part of this Solicitation.

To Be Completed By Supplier

1. _____"No Bid" (sign and return this page only).
2. _____My Company does not wish to receive future solicitations for this spend category.
3. Specify your Delivery: To be made within _____ days after receipt of order.
4. If applicable, Supplier's Addendum Acknowledgement/Response:
   As an authorized agent/signatory of the supplier, I/we acknowledge receipt of this Addendum, and
   _____submit no alterations/clarifications to our original bid.
   _____submit superseding revisions/clarifications to our original bid as written herein or attached hereto.

General Instructions to Suppliers

1. Sealed bids for furnishing the items and/or services specified are hereby solicited, and will be received by LSU Procurement at the "Return Bid To" address stated above, until the specified due date and time.
2. Read the entire solicitation, including all terms, conditions and specifications.
3. All bid information and prices must be typed or written in ink. Any corrections, erasures or other forms of alteration to unit price are to be initialed by the supplier.
4. Bid prices are to be quoted FOB LSU/Destination and inclusive of any and all applicable shipping and handling charges unless otherwise specified in the solicitation. Any invoiced delivery charges not quoted and itemized on the LSU purchase order are subject to rejection and non-payment.
5. Payment is to be made within 30 days after receipt of properly executed invoice, or delivery and acceptance, whichever is later.
6. By signing this solicitation, the supplier certifies compliance with all general instructions to suppliers, terms, conditions and specifications; and further certifies that this bid is made without collusion or fraud.

SUPPLIER NAME	MAILING ADDRESS
AUTHORIZED SIGNATURE	CITY, STATE ZIP
PRINTED NAME	PHONE #
TITLE	FAX #
E-MAIL	FEDERAL TAX ID #

LSU Solicitation RFQ-0000000086
Open Jet/Wind Tunnel Equipment
Addendum 2

Vendor Q1: We would like clarification on the design performance point for the fan. The solicitation states that, "Each unit must have a minimum capacity of 80,000 with a minimum static pressure of 5 inwg."

Vendor Q1.1: Is this the operating point?

LSU R1.1: Yes

Vendor Q1.2: If it is not the operating point please also provide the desired operating point?

LSU R1.2: It is the operation point.

Vendor Q1.3: Does this static pressure assume an outlet velocity at the fan cross sectional area?

LSU R1.3: The internal discharge diameter shall be 52 inches

Vendor Q1.4: Can we get any details about how the outlet flow will be configured?

LSU R1.4: The four fans will be arranged in 2x2.

Vendor Q1.5: Do you have a target for outlet velocity from the duct system at the total flow rate of 4 X 80,000 = 320,000 CFM?

LSU R1.5: There is no specific duct system at this time, however each unit must have a minimum static pressure of 5 inwg.

Vendor Q2: What is the required diameter of the fans?

LSU R2: The internal discharge diameter shall be 52 inches.

Vendor Q3: The specifications for the requested Open-Jet/Wind Tunnel only cover the power section. Will the vendor be providing the necessary ductwork for the tunnel portion of the system (i.e. flow straighteners, settling chamber, contraction nozzle, test section plenum if any, collector if any, diffuser if any, silencer, etc)?

LSU R3: No duct work is required. However, the fans shall be installed in a 2x2 arrangement, on a concrete slab.

Vendor Q3.1: What is the test section plenum dimensions, if any?

LSU R3.1: 10ft width x 20ft length x 10ft height.

Vendor Q3.2: What are the dimensions of the jet?

LSU R3.2: No duct work is required, however each unit must have a minimum static pressure of 5 inwg

Vendor Q3.3: What is the maximum air speed required?

LSU R3.3: N/A, however, four identical fans must be arranged in 2x2. The minimum static pressure of each fan is 5 inwg. Each fan has a minimum flow rate of 80,000CFM. Each fan has a discharge diameter of 52 inches

Vendor Q3.4: What footprint is available for this tunnel?

LSU R3.4: This open-jet equipment will be placed outdoors in a fenced area that has a footage of 40ft x 120ft.

Vendor Q4: What flow quality requirements are there in terms of flow uniformity, angularity, and turbulence, if any?

LSU R4: Such features are not required at this time.

Vendor Q5: How are the VFD's to be powered? Building power or generator? What is the current limit with the available power source? What is the max limit for power of the system, if any?

LSU R5: The VFD's shall be powered by building power, from the local utility company, Entergy.
Per the solicitation specifications: "When starting all fans together, the VFD and fan unit combination shall be capable of being started so that the total motor current of the four fan/motor units together never exceeds the total motor nameplate full load amps (FLA) of the four fan motors added together".
Also, the electrical distribution serving the fans will be capable of running all fans together at full speed for an unlimited amount of time.

Vendor Q6: Where is the installation to take place? Is the final site indoors or outdoors? What bottlenecks to the final site are there (doorway dimensions, hallways, etc.)?

LSU R6: The equipment will be placed outdoors in a fenced area that has a footage of 40f tx 120ft.